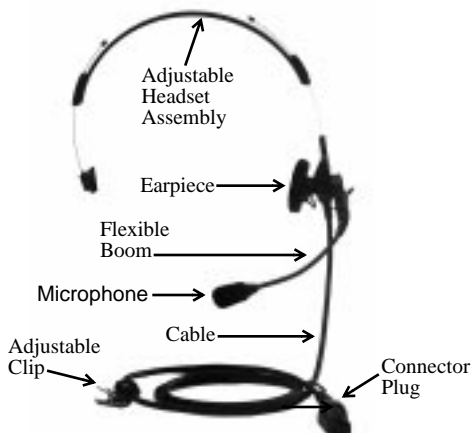




## HMN9046A LIGHTWEIGHT HEADSET



**Figure 1**

### DESCRIPTION

The HMN9046A Lightweight Headset (see Figure 1) includes a dynamic earphone assembly with an omni-directional electret boom microphone, a headband assembly, a cable and clip, and a GP350 radio connector. This headset is used to maintain privacy in two-way radio conversations. It is useful when high noise levels can disturb and prevent an operator from hearing sound out of the radio speaker.

The only replacement part available for the HMN9046A lightweight headset is the foam earpad (Motorola part number 5080574E02). To order the foam earpad, or for warranty information, call Motorola Americas Parts Division (APD) at 1-800-422-4210, or at (847) 538-8023.

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## INSTALLATION

When preparing to use the NMN9046A Lightweight Headset, the following sequence is recommended:

1. Turn the radio off.
2. Remove the accessory dust cover and store in a convenient location.
3. Attach the connector to the radio.

Insert the top tab on the headset connector into the slot located at the top of the accessory connector opening on the radio (Figure 2). With the tab inserted, rotate the rest of the connector and seat it firmly in place. Start the mounting screw by turning it lightly using the knurled edge. Tighten the screw securely with a flat blade screwdriver or small coin (Figure 3).

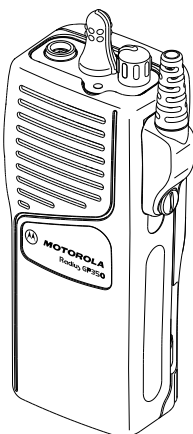
4. Turn the radio on.

### NOTE:

If the radio is turned on after the headset accessory is fitted to the ear, the user will hear a fixed-volume, radio power-up alert.



**Figure 2**



**Figure 3**



**Figure 4**

5. Monitor the headset's audio volume and adjust for a comfortable listening level.
6. Rotate the boom for wearing the headset/earpiece on either the left or right ear as preferred.
7. Place the headset over the head with the earpiece/earpad over the appropriate ear, and adjust for comfort (Figure 4).

8. Re-adjust and bend the boom as necessary.

## **OPERATION**

When the headset is connected to the radio, the internal speaker in the radio is disabled and the receive audio is switched to the accessory earpiece. When the user presses the push-to-talk (PTT) switch, the boom microphone is enabled and the radio microphone is disabled.

## **VOX OPERATION**

Use the following procedure for voice-operated transmission (VOX):

1. Make sure the radio is turned off before you attach the headset.
2. Attach the headset to the radio.
3. Turn the radio on.

### **NOTE:**

Pressing the push-to-talk (PTT) switch will disable the VOX operation. Turn the radio off and back on to return to the VOX mode.

4. Position the boom microphone from 0" to 1/4" from your lips.

5. To transmit, speak clearly into the microphone. The transmitter will remain keyed for a short time after you speak. This pause allows the radio VOX circuitry to shut off so that transmissions can be received.

If VOX fails to operate, check with your Motorola representative to be sure that your radio is programmed for VOX mode.